

Randy's is a small but full-service auto repair shop. Randy started out in his home garage, with an oak tree engine hoist. We're pretty sure he even changed out his Mom's transmission before he was even born. His quality workmanship allowed him to move into a real car shop that he quickly outgrew and had to expand. His bread & butter is repairing the town's daily rides, but at anytime you will find a hotrod rebuild somewhere in his workshop.

This kit is a beautiful representation of a small-town automobile repair shop. It can be built easily in a few nights. Take your time and enjoy the process. You can build it into Randy's or use your imagination to see what you can come up with for your railroad!

Tools & Supplies needed

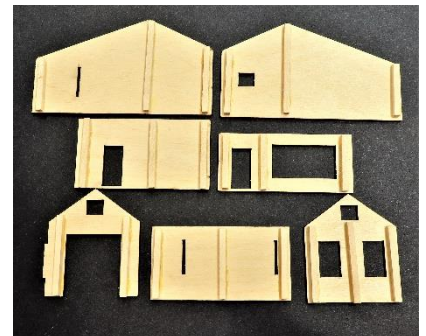
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|--|--------------------------------|--------------------|
| ✓ Hobby knife, with an #11 Xacto Blade | ✓ 1-2-3 blocks (optional) | ✓ Paints & Brushes |
| ✓ Fine File | ✓ Small magnets (optional) | ✓ Tweezers |
| ✓ Square & Ruler | ✓ NWSL Chopper (optional) | ✓ Patience |
| ✓ Pounce tool or T-Pin/Needle | ✓ PVA glue or wood glue | ✓ Fun |
| | ✓ Cyanoacrylate glue (CA glue) | |

Pre-assembly

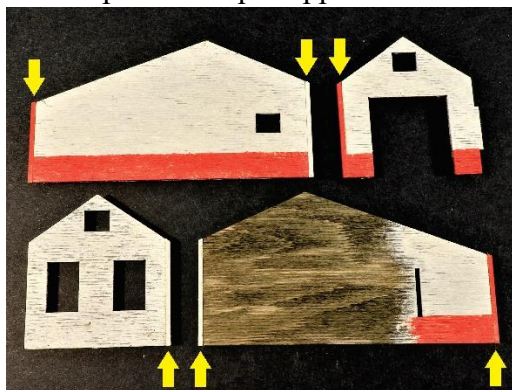
1. Inspect all sheets of laser cut materials against the diagrams provided in the instructions checking for any missing pieces or damaged parts. Please reach out to us with any issue.
2. Before starting your model, read through these instructions completely to become familiar with the parts and assembly sequence.

Bracing & Corner Molding

3. Remove the parts from the clapboard wood spew and clean up/file the edges. Use the 1/8"x1/8" stripwood to brace the backside (non-clapboard texture). Reference the parts sheet and picture (right) for suggested locations. Be sure to keep the bracing at least 1/8" from corner so they don't interfere when assembling the walls. Allow glue to thoroughly dry.



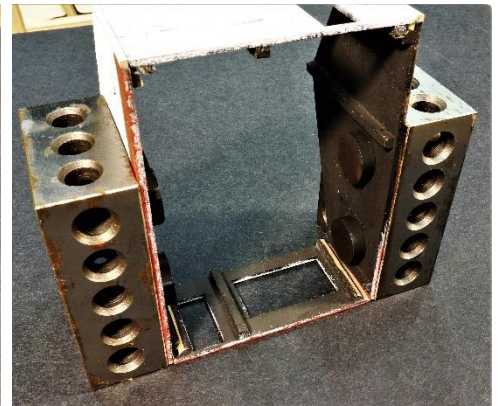
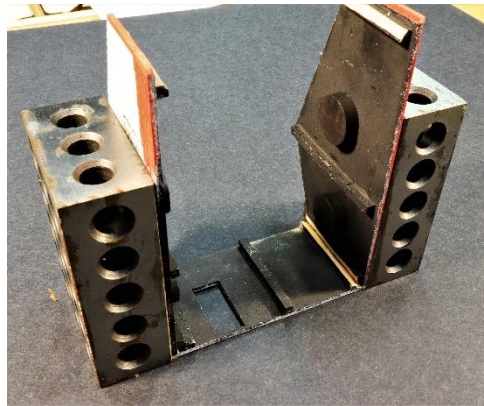
4. Add the 1/8"x1/8" bracing to the back of the small, scribed siding lean-to structure as well as part #8. The bracing on part #8 has the bracing flush with the edge and top. This helps support the side walls #9, 10. Reference the parts sheet and picture (right) for suggested location.



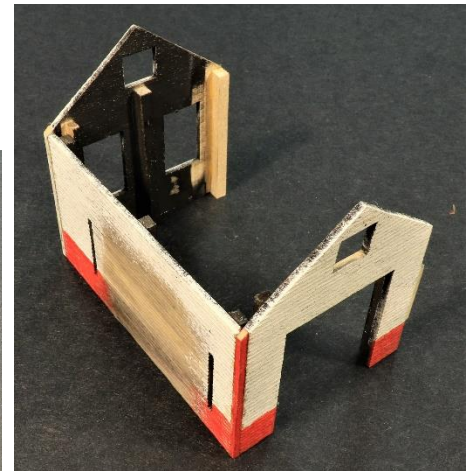
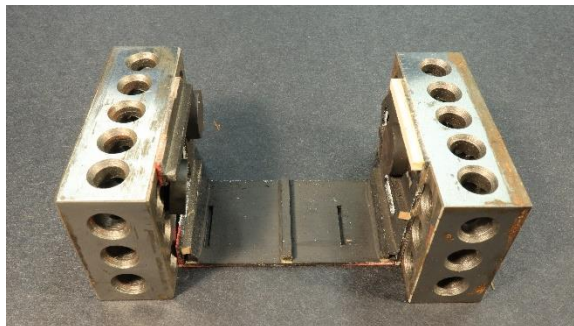
5. We suggest you paint the walls and corner molding your desired color before adding the corner molding. Add the corner molding using the 1/16"x1/16" stripwood provided in the kit. Reference the parts sheet and picture (left) for location of the corner molding. Cut the 1/16" corner molding about 1/8" longer than the edge of the wall that it will be glued to. Use 1-2-3 blocks or other squared weights to hold it in place while the glue dries. Trim flush to top and bottom edges of walls.

Main Building & Garage

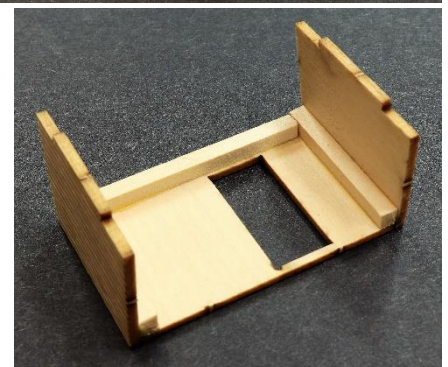
6. The main building requires parts #1-4. This is the time you want to use 1-2-3 blocks and small magnets to assure the walls are glued together square. Start with part #4, laying clapboard side down. Glue on the 2 peaked sides (parts #1 & 2). Then lay down part #3, clapboard side down. Flip over the assembly of parts #1,2&4, and glue the assembly to the edges of part #3 along the corner moldings. Again, square up walls using 1-2-3 blocks and magnets.

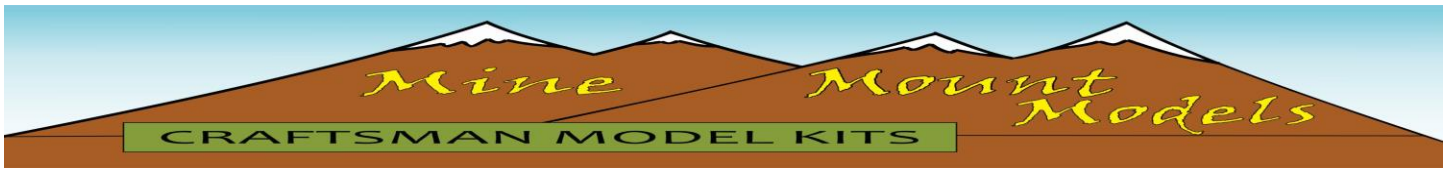


7. The garage assembly is next. This requires parts #5,6,7. Lay part #5 clapboard side down. Using 1-2-3 blocks and magnets, glue peaked walls #6&7 to the short sides of #5, being sure to align the bottom of the walls. The 2 slots on #5 are closer to the bottom. This allows the small assembled lean-to structure to fit against the garage and sit on the ground.

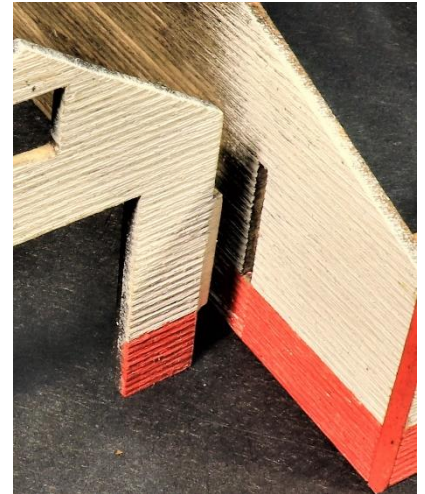
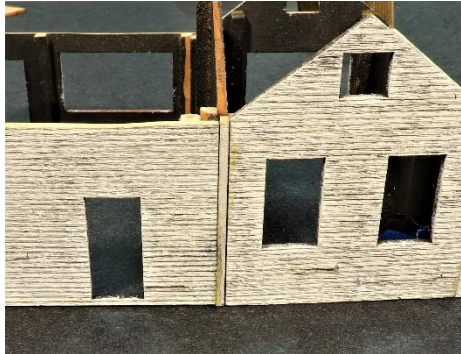


8. Now take parts #8, 9, 10 to build the small lean-to. This is a very similar step to the garage build. Lay part #8 scribed side down. Using the 1-2-3 blocks and magnets to glue on the sloped sides to the outside edges of part #8.





9. Now you should have 3 sub-assemblies; main building, garage, and lean-to shed. These can be connected to each other to create the full structure. There is a tab that is located on the front garage wall (part #7) that fits into a slot on part #2. The back wall of the garage (part #6) lines up with the back wall of the main building (part #4). They join along the 1/16" corner molding of the main building.

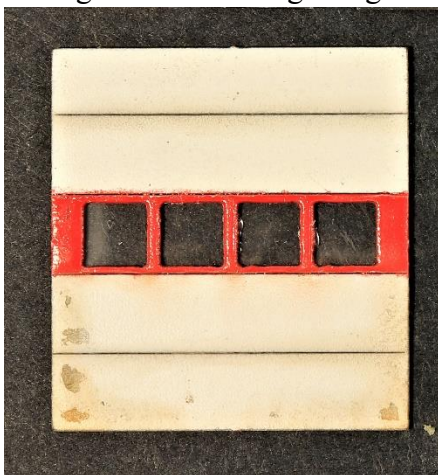
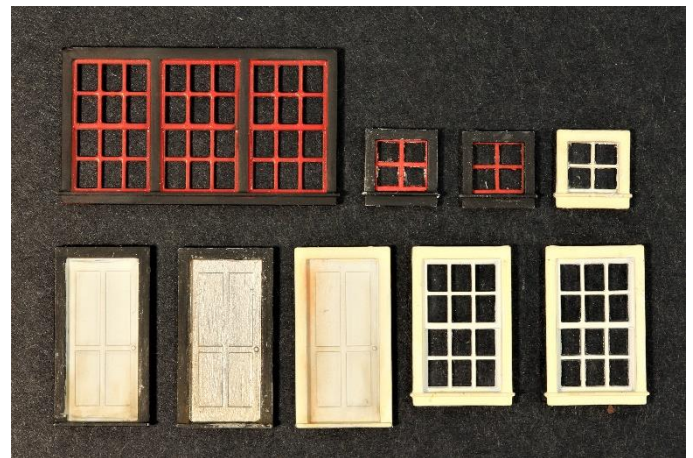


10. Attaching the lean-to shed is even easier. The lean-to has 2 tabs that align to the 2 slots in the side wall of the garage (part #5). With the sloped edge to the top, press the tabs into the slots. Now the walls of the structure will be completely assembled.



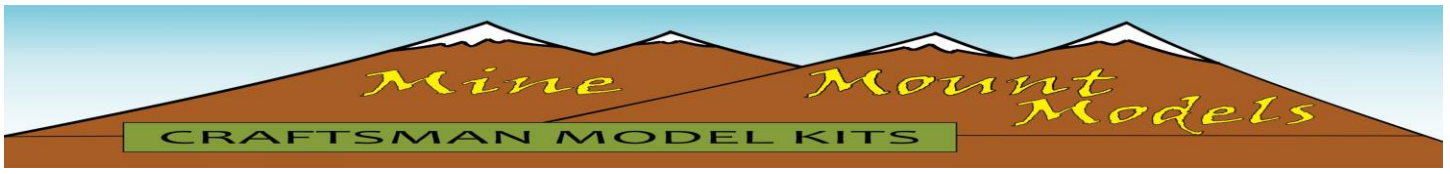
Windows & Doors

11. Most of the windows and doors on Randy's are by Tichy Train Group. Just like any plastic kit, the plastic windows and doors need to be washed off with mild dish detergent and warm water. Paint them your desired color. The kit includes a sheet of clear acrylic glazing. Cut the acrylic to match the sizes of the different windows. Use an appropriate glue to stick the glazing to the back of the windows.



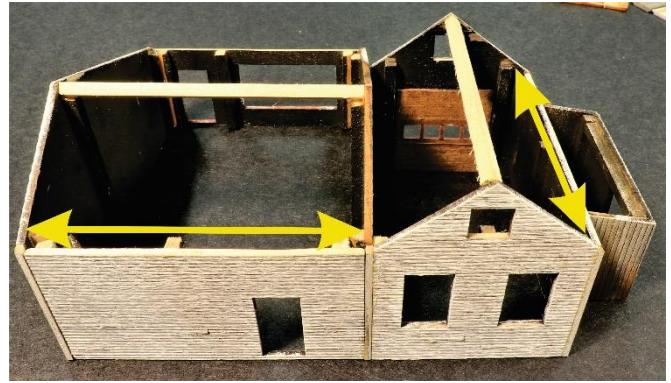
12. The garage door (part #16) is engraved and cut into 1/32" laser board. Remove from the sheet, clean up the edges and paint your desired color. Add a piece of clear acrylic glazing, approximately (1-3/16"x3/8"), to the backside of the garage door, covering over the 4 window openings.

13. Use the pictures included in the kit to determine the correct location of the windows and doors.



Roof

14. Use 2 lengths of 1/8" square stripwood to add ridge beams to the top ridge of the 2 rooflines. Determine the correct length of each beam by measuring the distance between the 2 inside walls of each section. (YELLOW arrowed lines)



15. The first roof you will want to install is the small lean-to roof (part #15). Use the sheet of stick-on rolled roofing to create a tarpaper covering for it. Paint the stick-on sheets to simulate weathered tarpaper. Apply 3 rows of the strips lengthwise. Slightly overlap each row. Glue on top of the lean-to structure.

16. Next roof is above the garage section (Right). It requires parts #11, 12. Part #11 is narrower than #12 and is adhered to the side that is closer to the center of the building. Part #12 is adhered to the outside slope of the garage and should overhang the lean-to roof slightly.



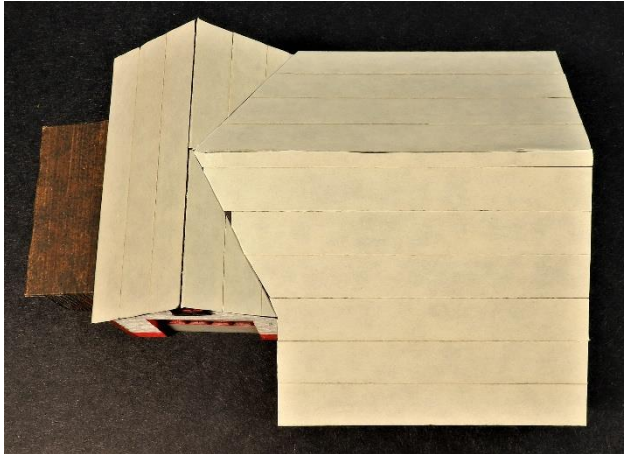
17. (Left) Now you can add the final roof sections (parts #13, 14). Part #13 goes on the front slope of the roof and the angled section fits snug against garage roof part #11. Part #14 goes on the back side of the roof and the angled section also fits snug against part #11.

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18. Paint or stain laser cut shingle materials. You will want to vary the color of the shingles by using multiple black and grey paints. Dry brush light gray vertically on shingles for a weathered wood look.



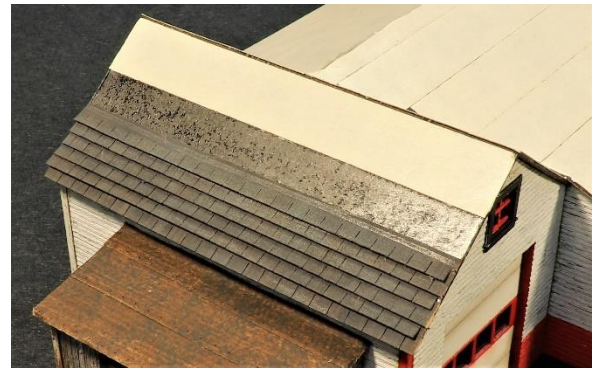
(On the roof, engraved lines have been added to help you align the double stick tape on the roof [not included])



19. Now is the time you should determine the locations of the chimneys and vents. File the bottom of the chimney to match the slope of the roof. Then glue the chimney in place. For the cyclone vent and 1/16" tubing, just drill a hole in the roof that matches the diameter of each, and glue in place.



20. Apply double sided tape to the roof sections. Trim any extra tape off the edges of the roof pieces. Remove one section of the double-sided tape protective film, so that you can start applying the rows of shingles. The first row should overhang the front edge of the roof by about 1/4 the width of the shingle. Press firmly on the row to assure proper adhesion to the tape. The next row of shingles should be staggered by 1/2 the width of a shingle, so that the seams don't align.
21. Trim the ends of the rows so that they also overhang the gable ends by approximately 1/4 width of the shingle. Continue the process up the rest of the roof.
22. You'll want the top row to end so that there is just the tab part of the shingle showing. Do this by trimming lengthwise along the strip of shingles, just above the tabs, leaving just the bottom tab parts.
23. Repeat this shingle process on the rest of the roof.
More pictures of the main structure's roof on the next page.



Mine Mount Models

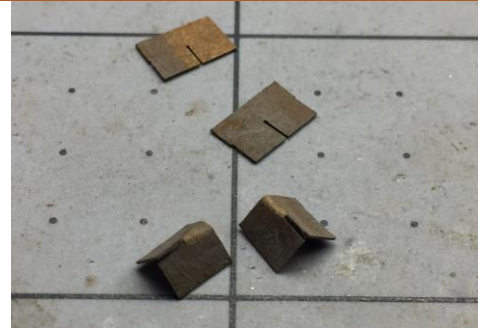
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24. Now it is time to attach the ridge cap shingles. Use the shingle strips provided and cut them to 2-tab wide sections.



25. Next, fold the 2-tab shingles in half along the center line, so they sit on the peak of the roof.

26. The bent shingles need to be glued to the top ridge of the roof. We used CA glue to do this. They need to be overlapped 1/2 way in order to cover up the split section, and only leaving the solid part of the shingle exposed.



Billboard Roof Sign

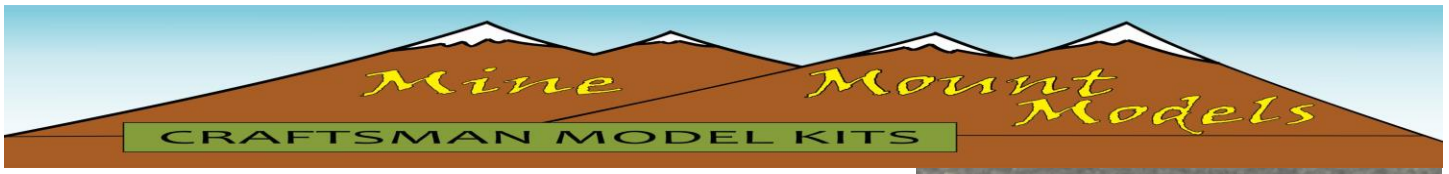
27. The delicately intricate roof sign is a standout feature of Randy's. It's a simple build with dramatic results. Use the provided template found on the parts list sheet to guide the assembly. The sign is printed in full HO scale. Tape the template to a piece of Homasote or soft wood. This allows you to use T-pins to hold the stripwood secure while the glue dries.

28. Stain or paint all stripwood for the billboard before starting assembly. You will achieve cleaner results.

29. Start with the 3 upright legs. The vertical and angled legs are 1/16"x1/16" stripwood. The horizontal cross-bracing is 1/16"x1/32" stripwood. Use the template to measure the lengths of each piece. Glue the top of the vertical and angled legs together. Add 1 of the 1/16"x1/32" bracing across the legs. Flip leg assembly over and glue on the other 1/16"x1/32" bracing. Repeat this assembly 2 more times.

30. Cut 3 long cross-bracing pieces from 1/16"x1/32" stripwood to match the template. These are used to support the front of the Randy's sign. Hold these 3 pieces in place on the template with T-pins. Now glue the 3 long vertical legs to the 3-long cross-braces. Use 1-2-3 blocks and magnets to ensure the legs are perpendicular to the front of the sign.





31. There are 2 cross-braces across the back side of the sign. Use the width of the 3 legs to determine the length of the 1/16"x1/32" stripwood. 1 back brace goes just above the small braces on the legs. The other back brace goes about 1/8" down from the top of the legs.



32. Cut out the "Randy's Auto Repair" sign from the 1/32" laserboard sheet. There are 6 points of contact that hold the sign in the laserboard sheet. Clean up any edges that held the sign to the sheet. Paint and weather the sign to your liking.
33. To attach the sign to the billboard supports, apply a very thin layer of glue to the fronts of the 3 long 1/16"x1/32" braces that support the sign. Line up the bottom edge of the rectangle that surrounds the "AUTO REPAIR" part of the sign with the bottom edge of the lowest cross-brace. Center the sign on the billboard supports. Allow completed sign assembly to thoroughly dry.
34. Choose a spot on the long-sloped roof of the main building, and test fit the sign. You may want to file the bottoms of the 6 legs to match the pitch of the roof (This is optional). Cut 2 long pieces of the 1/16"x1/16" stripwood to match the width of the 3 legs. These will be glued to the roof to act as support for the 6 legs. Use the legs of the billboard as a spacer. See the picture as a reference.



The model will be complete at this point. Add as many details as you would like. Create a wonderful scene on your model railroad or diorama. We want to thank you for enjoying the building of **Randy's Auto Repair**. Please share your finished build by sending good quality pictures to info@MineMountModels.com and we will post them in the "Customer Build Gallery" section of our website. Also, checkout our other products by visiting www.MineMountModels.com .

Thank you,
Ron & Michelle

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